



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/933,229	08/20/2001	Kenneth N. Harcl	CONTC.57582	6394
27629	7590	07/26/2007		
FULWIDER PATTON LLP 200 OCEANGATE, SUITE 1550 LONG BEACH, CA 90802			EXAMINER A, PHI DIEU TRAN	
			ART UNIT 3637	PAPER NUMBER
			MAIL DATE 07/26/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 09/933,229	Applicant(s) HAREL, KENNETH N.	
	Examiner Phi D. A	Art Unit 3637	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 April 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 15, 16, 30, 35, 36, 46-48, 52-55 and 57 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 15, 16, 30, 35, 36, 46-48, 52-55 and 57 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claim 57 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The limitation of “wherein by the fitting may be positioned on a drywall joint with joint compound interposed between the flap and the drywall surface to receive in embedding relationship the ridges on the interior surface and joint compound applied to the outer surface will tend to flow inwardly through the perforations toward the inner surface” appears to claim a method step within an article claim. It is indefinite as it confuses the scope of the claim.

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claim 15 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kunz et al (6295776) in view of Weldy (re34547) and Hoffmann (6684586).

Kunz et al shows a drywall trim device comprising a relatively rigid elongated core (12) having a curved transverse cross section(14) so as to have a convex outer surface and a concave inner surface, a pair of flanges (16) terminating in respective longitudinal edges, a paper cover

Art Unit: 3637

(20) bonded to the outer surface of the core and extending beyond the longitudinal edges of the core to form flexible flaps (the edge of the cover which extends beyond the core) having respective outward and inward surfaces, the flaps being formed with spaced apart perforations on the outward surfaces.

Kunz et al does not show the flap having elongated grooves and ridges with at least the inward surfaces including the ridges for anchoring the joint compound on the drywall corner joint, at least the outward surfaces including the grooves, the perforations being in the grooves of the outward surfaces.

Weldy shows flaps (14, figure 2) having grooves and ridges (the grooves and ridges formed by the striation) and perforations (26) for assisting with the anchoring of the device into the corner.

Hoffmann Sr. shows grooves and ridges (grooves between ridges 18) on the inward surfaces for anchoring a joint compound on the drywall corner joint.

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Kunz et al to show the flap having elongated grooves and ridges with at least the inward surfaces including the ridges for anchoring the joint compound on the drywall corner joint, at least the outward surfaces including the grooves as taught by Hoffmann Sr., the perforations being in the grooves of the outward surfaces as taught by Weldy because having corrugated surface with grooves and ridges on the inward surface of the cover would enhance the ability of the strip to adhere well to a drywall sheet (col 3 lines 64-66) as taught by Hoffman Sr. and having perforations at the grooves of the outward surfaces on the flaps would enhance the secured fastening of the flaps to the underlying substrate as taught by Weldy.

Art Unit: 3637

3. Claim 16 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kunz et al (6295776) in view of Weldy (re34547) and Hoffmann (6684586).

Kunz et al shows a drywall trim device comprising a relatively rigid elongated core (12) having a curved transverse cross section(14) so as to have a convex outer surface and a concave inner surface, a pair of flanges (16) terminating in respective longitudinal edges, a paper cover (20) bonded to the outer surface of the core and extending beyond the longitudinal edges of the core to form flexible flaps (the edge of the cover which extends beyond the core) having respective outward and inward surfaces, the flaps being formed with spaced apart perforations on the outward surfaces.

Kunz et al does not show the flap being formed on both their outwardly facing and inwardly facing surfaces with alternating grooves and ridges to provide linear stiffness in the flaps, the flaps further formed on their outwardly facing surfaces with spaced apart perforations formed along the grooves and extending through the flaps to their inwardly facing surfaces to provide for communication of uncured joint compound between the outwardly facing surfaces and the inwardly facing surfaces.

Weldy shows flaps (14, figure 2) having grooves and ridges (the grooves and ridges formed by the striation) on the outwardly facing surfaces, and perforations (26) on the outwardly facing surfaces extending through the flaps for assisting with the anchoring of the device into the corner.

Hoffmann Sr. shows alternating grooves and ridges (grooves between ridges 18 on the inner face, grooves 16 between ridges on the outward surface) for anchoring a joint compound on the drywall corner joint.

Art Unit: 3637

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Kunz et al to show the flap having alternating elongated grooves and ridges with on both the inward and outward as taught by Hoffmann Sr., the perforations being in the grooves of the outward surfaces as taught by Weldy because the grooves and ridges on the inner and outer surfaces of the cover would enhance the ability of the strip to adhere well to a drywall sheet (col 3 lines 64-66) as taught by Hoffman Sr. and having perforations at the grooves of the outward surfaces on the flaps would enhance the secured fastening of the flaps to the underlying substrate as taught by Weldy.

4. Claim 30 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kunz et al (6295776) in view of Weldy (re34547) and Hoffmann Sr. (6684586).

Kunz et al (figure 1) shows a protective drywall joint strip device having an elongated rigid core (12) of a predetermined width and terminating in opposite longitudinal edges, a paper cover (20) bonded to the core and configured to project laterally beyond the respective edges to form the respective flexible flaps having an outwardly facing surface and inwardly facing surface, the flaps being formed with respective perforations spaced equidistant, and extending through the flaps to form open flow apertures for flow therethrough of joint compound, the perforations being at least $1/64^{\text{th}}$ of an inch in transverse cross section.

Kunz et al does not show the flap being formed on at least the inwardly facing surface with at least four parallel elongated grooves defining reinforcing ribs, the grooves being spaced $1/8^{\text{th}}$ of an inch apart and the ribs being raised outwardly from the bottom of the grooves at least $1/64^{\text{th}}$ of an inch, the perforations being spaced equidistant along the ribs and extending through

Art Unit: 3637

the flaps to form open flow apertures at least $1/64$ of an inch in transverse cross section for flow therethrough of joint compound.

Hoffmann Sr. shows the flap being formed on at least the inwardly facing surface with at least four parallel elongated grooves therebetween the ribs (the grooves are the areas between the ribs 18 figures 4-5), the ribs being raised from the bottom of the groove 0.005 inch, perforations (14) having $1/8^{\text{th}}$ inch to allow for easy flow joint compound into the interior surface of the flap to help anchor the flap to the drywall.

Weldy shows perforations spaced equidistant along the ribs to enable strong engagement of plaster material to attach the cover to a wall.

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Kunz et al to show the flap being formed on at least the inwardly facing surface with at least four parallel elongated grooves defining reinforcing ribs, and the ribs being raised outwardly from the bottom of the grooves at least $1/64^{\text{th}}$ of an inch in transverse cross section for flow therethrough of joint compound, the perforations (14) being at least $1/64$ of an inch through the flaps as taught by Hoffmann, the grooves being spaced $1/8^{\text{th}}$ of an inch apart, the perforations being spaced equidistant along the ribs as taught by Weldy because having the flap being formed on at least the inwardly facing surface with at least four parallel elongated grooves defining reinforcing ribs, and the ribs being raised outwardly from the bottom of the grooves at least $1/64^{\text{th}}$ of an inch in transverse cross section for flow therethrough of joint compound, the perforations (14) being at least $1/64$ of an inch through the flaps would allow for the easy and secure fastening of the cover to the dry wall as taught by Hoffmann, and thus resulting in a stronger finish wall surface, having the perforations being spaced equidistant along

Art Unit: 3637

the ribs would enhance the secured fastening of the flaps to the underlying substrate as taught by Weldy, and it would have been an obvious matter of engineering design choice to show the grooves being spaced $1/8^{\text{th}}$ of an inch apart since such a modification would have involved a mere change in the size of a component; a change in size is generally recognized as being within the level of ordinary skill in the art, In re Rose, 105 USPQ 237 (CCPA 1955).

5. Claim 16, 35-36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ritchie et al (5131198) in view of Weldy (re34547) and Hoffmann (6684586).

Ritchie et al (figure 5) shows a drywall corner protection strip device having an elongated metal core (10') having first and second longitudinal edges, a paper cover (12') bonded to the metal core and extending beyond the first and second longitudinal edges to form flexible paper flaps, each having an outwardly facing surface and an inwardly facing surface, the paper cover being constructed of fibers and strengthening compound mixed together, the strengthening compound encapsulates the fibers (col 3 lines 10-12, lines 44-48).

Ritchie et al does not show the flaps being formed on their outwardly facing surfaces with spaced apart perforations and extending through the flaps to their inwardly facing surfaces to provide for the communication of uncured joint compound between the outwardly facing surfaces and the inwardly facing surfaces during the installation of the drywall corner protection strip device onto the drywall corner joint, the flap being formed on both their outwardly facing and inwardly facing surfaces with alternating elongated grooves and ridges, the perforations being formed along the grooves of the outside surface of the flaps.

Weldy shows flaps (14, figure 2) having grooves and ridges (the grooves and ridges formed by the striation) on the outwardly facing surfaces, and perforations (26) on the outwardly

Art Unit: 3637

facing surfaces extending through the flaps for assisting with the anchoring of the device into the corner.

Hoffmann Sr. shows alternating grooves and ridges (grooves between ridges 18 on the inner face, grooves 16 between ridges on the outward surface) for anchoring a joint compound on the drywall corner joint on the inward and outwardly facing surfaces to provide for secure anchoring of the cover to the drywall.

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Ritchie et al to show the flaps being formed on their outwardly facing surfaces with spaced apart perforations and extending through the flaps to their inwardly facing surfaces to provide for the communication of uncured joint compound between the outwardly facing surfaces and the inwardly facing surfaces during the installation of the drywall corner protection strip device onto the drywall corner joint, the perforations being formed along the grooves of the outside surface of the flaps as taught by Weldy, the flap being formed on both their outwardly facing and inwardly facing surfaces with alternating elongated grooves and ridges as taught by Hoffmann Sr. because the grooves and ridges on the inner and outer surfaces of the cover would enhance the ability of the strip to adhere well to a drywall sheet (col 3 lines 64-66) as taught by Hoffman Sr. and having perforations at the grooves of the outward surfaces on the flaps would enhance the secured fastening of the flaps to the underlying substrate as taught by Weldy.

6. Claims 46-48 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ritchie et al in view of Weldy (re34547) and Hoffmann (6684586).

Ritchie et al as modified shows all the claimed structural limitations. The claimed method steps of making a drywall joint protection strip device would have been the obvious method steps of making Ritchie et al's modified protection strip device.

7. Claims 52, 53, 55 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kunz et al in view of Hoffmann.

Kunz et al (figure 1) shows a drywall corner protection strip device having a relatively rigid core, a relatively flexible cover strip (20) for overlying the core and bonded to the core, the cover projecting beyond the opposite sides of the core to form respective flexible flaps formed with inner and outer sides, the flaps are further formed with a plurality of perforations disposed along the length thereof and filled with the joint compound.

Kunz et al does not show the inner sides of the flaps being formed with a plurality of alternating longitudinal flap grooves and ridges to be embedded in joint compound interposed between the inner sides and a respective corresponding portion of the exterior surfaces of the panels to fill the grooves and anchor the flaps in the compound, the flaps being formed with a plurality of perforations disposed along the length thereof and filled with the joint compound to form compound posts which cooperate with the ridges to mechanically resist displacement of the core.

Hoffmann shows the inner sides of the flaps being formed with a plurality of alternating longitudinal continuous flap grooves and ridges throughout the length of the flaps (each groove and ridge is continuous) to be embedded in joint compound interposed between the inner sides and a respective corresponding portion of the exterior surfaces of the panels to fill the grooves and anchor the flaps in the compound, the flaps being formed with a plurality of perforations

Art Unit: 3637

(14) disposed along the length thereof and filled with the joint compound to form compound posts which cooperate with the ridges to mechanically resist displacement of the core.

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Kunz et al to show the inner sides of the flaps being formed with a plurality of alternating longitudinal flap grooves and ridges to be embedded in joint compound interposed between the inner sides and a respective corresponding portion of the exterior surfaces of the panels to fill the grooves and anchor the flaps in the compound, the flaps being formed with a plurality of perforations disposed along the length thereof and filled with the joint compound to form compound posts which cooperate with the ridges to mechanically resist displacement of the core because it would enhance the ability of the strip to adhere well to a drywall sheet (col 3 lines 64-66) as taught by Hoffman Sr.

Per claim 55, Kunz et al as modified shows the ridges and grooves being continuous throughout the length of the flaps.

8. Claim 54 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kunz et al in view of Hoffmann as applied to claim 53 above and further in view of Weldy.

Kunz et al as modified shows all the claimed limitations except for the perforations disposed in longitudinal rows and formed on their respective outer sides with the grooves aligned with the respective rows of perforations.

Weldy further shows perforations disposed in longitudinal rows and formed on their respective outer sides with the grooves aligned with the respective rows of perforations to enhance the anchoring of the cover to the joint compound.

Art Unit: 3637

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Kunz et al's modified structures to show the perforations disposed in longitudinal rows and formed on their respective outer sides with the grooves aligned with the respective rows of perforations as taught by Weldy because it would enhance the anchoring of the cover to the joint compound.

9. Claim 57 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kunz et al in view of Hoffmann as applied to claim 53 above and further in view of Weldy.

Kunz et al shows a tape-on drywall fitting device comprising: a rigid core having at least one elongated edge; a flexible paper covering for covering the core and projecting laterally beyond the one edge to form an elongated flap having an outwardly facing surface and an inwardly facing surface;

Kunz does not show the flap being formed with longitudinally projecting adjacent ridges and grooves, with the ridges being formed with sidewalls which taper toward each other and the flaps further including perforations extending from the grooves in the outer surface toward the ridges in the inner surfaces and tapering in reduced cross section toward the inner surfaces

Weldy shows ridges (the protrusions of the striations) extending the full length of the flap and bottom of the grooves being formed with openings so that compound applied to the grooves will be directed to the openings into the inner surface, the edges of the ridges being formed with sidewalls which taper toward each other, and the flap including extending from the grooves in the outer surface toward the inner surfaces.

Hoffmann shows the inner sides of the flaps being formed with a plurality of alternating longitudinal continuous flap grooves and ridges throughout the length of the flaps (each groove

Art Unit: 3637

and ridge is continuous) to be embedded in joint compound interposed between the inner sides and a respective corresponding portion of the exterior surfaces of the panels to fill the grooves and anchor the flaps in the compound, the flaps being formed with a plurality of perforations (14) disposed along the length thereof and filled with the joint compound to form compound posts which cooperate with the ridges to mechanically resist displacement of the core.

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Kunz et al to show the flap being formed with longitudinally projecting adjacent ridges and grooves as taught by Weldy, with the ridges being formed with sidewalls which taper toward each other and the flaps further including perforations extending from the grooves in the outer surface by toward the ridges in the inner surfaces as taught by Hoffman since it allows for secured fastening of the flap with the wall with grouts to enhance the attachment of the cover to the corner, and having the perforations tapering in reduced cross section toward the inner surfaces would have been obvious to one having ordinary skill in the art as it is functionally equivalent to holes not changing size from one side of the cover to the other side since they all function the same to provide for secure fastening of the cover to the wall.

Kunz as modified further shows wherein by the fitting may be positioned on a drywall joint with joint compound interposed between the flap and the drywall surface to receive in embedding relationship the ridges on the interior surface and joint compound applied to the outer surface will tend to flow inwardly through the perforations toward the inner surface.

Response to Arguments

1. Applicant's arguments filed 4/26/07 have been fully considered but they are not persuasive.

Art Unit: 3637

2. In response to applicant's arguments against the references individually, one cannot show nonobviousness by attacking references individually where the rejections are based on combinations of references. See *In re Keller*, 642 F.2d 413, 208 USPQ 871 (CCPA 1981); *In re Merck & Co.*, 800 F.2d 1091, 231 USPQ 375 (Fed. Cir. 1986).

3. In response to applicant's argument that there is no suggestion to combine the references, the examiner recognizes that obviousness can only be established by combining or modifying the teachings of the prior art to produce the claimed invention where there is some teaching, suggestion, or motivation to do so found either in the references themselves or in the knowledge generally available to one of ordinary skill in the art. See *In re Fine*, 837 F.2d 1071, 5 USPQ2d 1596 (Fed. Cir. 1988) and *In re Jones*, 958 F.2d 347, 21 USPQ2d 1941 (Fed. Cir. 1992). In this case, the motivation to combine is found in the references themselves.

With respect to Hoffman, Hoffman teaches that grooves and ridges on inner surface of a bead would enhance the ability of a bead to adhere to a drywall sheet (column 3 lines 64-66). Modifying Kunz with Hoffman's anchoring feature of grooves and ridges on the interior surface, thus enhance Kunz's anchoring ability to a drywall sheet. The combination is thus desired.

With respect to applicant's argument that there is no motivation to combine Kunz with Hoffman, examiner respectfully sets forth that the motivation is provided by Hoffman. Hoffman explicitly states that the interior surface anchoring grooves and ridges would enhance the ability of a strip to adhere well to a drywall sheet. Modifying Kunz with Hoffman thus results in Kunz having enhanced anchoring ability to a drywall sheet, which is highly desired. The argument is thus moot.

In response to applicant's argument that the examiner's conclusion of obviousness is based upon improper hindsight reasoning, it must be recognized that any judgment on obviousness is in a sense necessarily a reconstruction based upon hindsight reasoning. But so long as it takes into account only knowledge which was within the level of ordinary skill at the time the claimed invention was made, and does not include knowledge gleaned only from the applicant's disclosure, such a reconstruction is proper. See *In re McLaughlin*, 443 F.2d 1392, 170 USPQ 209 (CCPA 1971).

With respect to applicant's arguments that there is no motivation to combine Ritchie with Weldy and/or Hoffman, examiner respectfully points out that the motivation to combine is disclosed in the references themselves. Modifying Ritchie with Weldy/Hoffman enhances Ritchies' anchoring ability to a drywall. The combination is thus proper and motivated.

With respect to claim 16, Ritchie or Kunz as modified shows the flaps being formed with elongated grooves and ridges and perforations extending through the flaps as claimed. The ridges and grooves are disclosed by the secondary references as set forth above. The combination shows the limitations as claimed.

With respect to claim 30, 46-48, 52-53, 55 in response to applicant's argument that there is no suggestion to combine the references, the examiner recognizes that obviousness can only be established by combining or modifying the teachings of the prior art to produce the claimed invention where there is some teaching, suggestion, or motivation to do so found either in the references themselves or in the knowledge generally available to one of ordinary skill in the art. See *In re Fine*, 837 F.2d 1071, 5 USPQ2d 1596 (Fed. Cir. 1988) and *In re Jones*, 958 F.2d 347,

Art Unit: 3637

21 USPQ2d 1941 (Fed. Cir. 1992). In this case, the motivation to combine is taught by the references themselves. The combination of the references shows the limitations as claimed.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phi D A whose telephone number is 571-272-6864. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lanna Mai can be reached on 571-272-6867. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 3637

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Phi Dieu Tran A *PA*

7/22/07

LANNA MAI
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 3600

Lanna Mai